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(FILE 'HOME' ENTERED AT 20:01:04 ON 19 NOV 2009)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 20:01:46 ON  
19 NOV 2009

L1 2690 S HUMAN(3A)METAPNEUMOVIRUS OR HMPV  
L2 74 S (MUTATED OR MUTANT OR ATTENUAT? OR DISRUPT? OR KNOCKOUT?)(8A)  
L3 11 S L1 AND L2  
L4 10 S L1(P)L2  
L5 7 DUP REM L3 (4 DUPLICATES REMOVED)  
L6 6 DUP REM L4 (4 DUPLICATES REMOVED)

=> d au ti so pi 1-7 15

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
IN Fouchier, Ron A. M.; Herfst, Sander; De Graaf, Miranda  
TI Live attenuated human metapneumovirus variants A1, A2,  
B1 or B2 strains NL/1/99, NL/17/00, NL/1/00 or NL/1/94 as vaccines against  
HMPV respiratory tract infection  
SO U.S. Pat. Appl. Publ., 192pp.

CODEN: USXXCO  
PATENT NO. KIND DATE APPLICATION NO. DATE  
----- ----- -----  
PI US 20090186050 A1 20090723 US 2008-292000 20081114

L5 ANSWER 2 OF 7 MEDLINE on STN DUPLICATE 1  
AU Schickli Jeanne H; Kaur Jasmine; Macphail Mia; Guzzetta Jeanne M; Spaete  
Richard R; Tang Roderick S  
TI Deletion of human metapneumovirus M2-  
2 increases mutation frequency and attenuates growth in  
hamsters.  
SO Virology journal, (2008) Vol. 5, pp. 69. Electronic Publication:  
2008-06-03.  
Journal code: 101231645. E-ISSN: 1743-422X.  
Report No.: NLM-PMC2426676.

L5 ANSWER 3 OF 7 LIFESCI COPYRIGHT 2009 CSA on STN  
AU Schickli, Jeanne H; Kaur, Jasmine; MacPhail, Mia; Guzzetta, Jeanne M;  
Spaete, Richard R; Tang, Roderick S  
TI Deletion of human metapneumovirus M2-  
2 increases mutation frequency and attenuates growth in  
hamsters.  
SO Virology Journal [Virol. J.], (20080000) vol. 5, pp. 69-69.  
ISSN: 1743-422X.

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
AU Schickli, Jeanne H.; Kaur, Jasmine; MacPhail, Mia; Guzzetta, Jeanne M.;  
Spaete, Richard R.; Tang, Roderick S.  
TI Deletion of human metapneumovirus M2-  
2 increases mutation frequency and attenuates growth in  
hamsters  
SO Virology Journal (2008), 5, No pp. given  
CODEN: VJIOA4; ISSN: 1743-422X  
URL: <http://www.virologyj.com/content/pdf/1743-422X-5-69.pdf>

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 2  
AU Buchholz, Ursula J.; Biacchesi, Stephane; Pham, Quynh N.; Tran, Kim C.;  
Yang, Lijuan; Luongo, Cindy L.; Skiadopoulos, Mario H.; Murphy, Brian R.;  
Collins, Peter L.  
TI Deletion of M2 gene open reading frames 1 and 2 of human

metapneumovirus: Effects on RNA synthesis, attenuation, and immunogenicity

SO Journal of Virology (2005), 79(11), 6588-6597  
CODEN: JOVIAM; ISSN: 0022-538X

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
IN Parks, Christopher L.; Udem, Stephen A.; Sidhu, Modinderjit S.  
TI Expression systems for the propagation of Mononegavirales with improved  
yields of attenuated virus for vaccine use from cDNA  
SO PCT Int. Appl., 139 pp.

CODEN: PIIXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004113517	A2	20041229	WO 2004-US18305	20040608
WO 2004113517	A3	20060209		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, RU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, US RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	AU 2004250129	A1	20041229	AU 2004-250129
CA 2528002	A1	20041229	CA 2004-2528002	20040608
EP 1633860	A2	20060315	EP 2004-754803	20040608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR	BR 2004011247	A	20060725	BR 2004-11247
BR 2004011247	A	20060725	BR 2004-11247	20040608
CN 1871355	A	20061129	CN 2004-80020973	20040608
JP 2007500017	T	20070111	JP 2006-533645	20040608
US 20060153870	A1	20060713	US 2005-290639	20051129
MX 2005013141	A	20060317	MX 2005-13141	20051205
IN 2005KN02749	A	20061027	IN 2005-KN2749	20051230

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
IN Collins, Peter L.; Biacchesi, Stephane; Buchholz, Ursula; Skiadopoulos, Mario H.; Murphy, Brian R.

TI Recombinant human metapneumovirus comprising  
attenuating nucleotide modifications and its use for eliciting an immune  
response

SO U.S. Pat. Appl. Publ., 190 pp.

CODEN: USXXCO

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 20040241188	A1	20041202	US 2004-789400	20040227
AU 2004262624	A1	20050217	AU 2004-262624	20040227
CA 2517394	A1	20050217	CA 2004-2517394	20040227
WO 2005014626	A2	20050217	WO 2004-US5881	20040227
WO 2005014626	A3	20050428		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, RU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
EP 1603939 A2 20051214 EP 2004-775808 20040227  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
JP 2007524372 T 20070830 JP 2006-508872 20040227  
IN 2005DN04169 A 20070831 IN 2005-DN4169 20050915

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